

What is claimed is:

1. A control system suitable for use with a grain harvester of the type having a sensor for detecting the passage of grain thereby, the controller comprising:

a relay, the relay configured to be actuated upon receiving a signal from the sensor, the relay, when actuated, configured to allow a voltage to be communicated to a control mechanism of the harvester;

whereby the control system is able to adjust an operating parameter of the harvester in response to the signal from the sensor.
2. The control system of claim 1, wherein the operating parameter is the speed of the harvester relative to the ground.
3. The control system of claim 1, wherein the sensor comprises a transducer.
4. The control system of claim 1, further comprising a second relay, the second relay configured to be actuated upon receiving a signal from the sensor, the second relay, when actuated, configured to allow a voltage to be communicated to a control mechanism of the harvester;

whereby the control system is able to adjust an operating parameter of the harvester by a second predetermined amount in response to the signal from the sensor.
5. The control system of claim 4, wherein the first and second relays are connected to each other in parallel.

6. The control system of claim 4, wherein the operating parameter is the speed of the harvester relative to the ground.
7. The control system of claim 1, further comprising an alarm arrangement, the alarm arrangement configured to be actuated when the signal of the sensor exceeds an upper threshold.
8. The control system of claim 7, wherein the alarm arrangement comprises an audible indicator.
9. The control system of claim 7, wherein the alarm arrangement comprises a visual indicator.
10. A control system suitable for use with a grain harvester of the type having a sensor for detecting the passage of grain thereby, the controller comprising:
a relay arrangement, the relay arrangement configured to be actuated upon receiving a signal from the sensor, the relay arrangement, when actuated, configured to allow a voltage to be communicated to a control mechanism of the harvester;
whereby the control system is able to adjust an operating parameter of the harvester in response to the signal from the sensor.
11. The control system of claim 10, wherein the relay arrangement is capable of forming a circuit, the circuit communicating the voltage to the control mechanism of the harvester.

12. The control system of claim 10, wherein the relay arrangement is capable of forming at least two circuit, with the two circuits communicating different voltages to the control mechanism of the harvester.

13. The control system of claim 12, wherein the two circuits are connected to each other in parallel.

14. The control system of claim 10, further comprising an alarm arrangement, the alarm arrangement configured to be actuated when the signal of the sensor exceeds an upper threshold.

15. A method of controlling an operating parameter of a grain harvester of the type having a sensor that detects the presence of grain as it passes through the harvester, the method comprising the steps of:

- a) monitoring the output of the sensor;
- b) actuating a relay when the sensor output reaches a threshold level to communicate a control signal to a control mechanism; and,
- c) modifying the control signal before it reaches the control mechanism, whereby the operating parameter of the harvester may be adjusted by the sensor output.

16. A method of controlling an operating parameter of a grain harvester of the type having a sensor that detects the presence of grain as it passes through the harvester,

the method comprising the steps of:

- a) monitoring the output of the sensor;
- b) actuating a first relay when the sensor output reaches a threshold level;
- c) actuating a second relay when the sensor output reaches a second

threshold level, the first and second relays forming a circuit; and,

- c) using the circuit to communicate a voltage to the control mechanism,

whereby an operating parameter of the harvester may be adjusted by the sensor output.